

**AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES
MADE, AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS**

- 1.-3. (Cancelled)
4. (Withdrawn) The blood pump of claim 21, wherein the pump housing has a length and a diameter, wherein the length is twice as short as the diameter.
5. (Withdrawn and currently amended) The blood pump of claim ~~[[4]]~~ 21, wherein the pump housing has a length and a diameter, wherein the length is less than 1.5 times the diameter of the housing.
6. (Withdrawn) The blood pump of claim 21, wherein the first and second vascular connections have each a length which is shorter than a diameter of the pump housing.
7. (Canceled)
8. (Previously presented) The blood pump of claim 21, further comprising a motor disposed in the housing for driving the impeller, and webs connected to an outer area of the pump housing for firmly holding the motor in place, wherein the webs are configured as vanes.
9. (Canceled)
10. (Previously presented) The blood pump of claim 8, wherein the webs are configured for housing metal cables or metal pins for transmission of electric current.
11. (Previously presented) The blood pump of claim 8, wherein the pump housing and the motor define an area having a free flow cross section which is 50% of a flow cross section at an area of each one of the housing ends.

12. (Currently amended) The blood pump of claim [[11]] 8, wherein the pump housing and the motor define the a free flow cross section which is 80 % of the flow cross section at the area of each one of the housing ends.
13. (Previously presented) The blood pump of claim 21, further comprising a second pump housing with impeller and a motor.
14. (Previously presented) The blood pump of claim 13, further comprising an adaptable connection device between the two pump housings.
15. (Previously presented) The blood pump of claim 14, wherein the impeller in one pump housing runs in opposite direction to an impeller in the other pump housing for impelling blood.
16. (Canceled)
17. (Previously presented) The blood pump of claim 21, wherein the housing is provided with an attachment device for attachment of the pump to tissue of a bony rib cage.
18. (Canceled)
19. (Withdrawn) A method for a tubeless vascular implant of a blood pump with an impeller according to claim 21, comprising the steps of providing the blood pump, preparing vascular tissue for the implant, inserting the pump into location and connecting the pump directly to vascular tissue with connecting devices selected from the group consisting of suture rings and vascular prostheses.
20. (Withdrawn) The method of claim 19, wherein the pump connection devices are sutured directly to the vascular tissue.

21. (Currently amended) A blood pump for direct interposition in a blood vessel outside the heart, comprising:

a pump housing accommodating an impeller and having one housing end intended for direct attachment at one location of the blood vessel and another housing end for direct attachment at another location of the blood vessel,

a first vascular connection formed integral as a part of with the one housing end, and

a second vascular connection formed integral as a part of with the other housing end,

wherein the first and second vascular connections are constructed for direct attachment to the blood vessel through suturing.

22. (Currently amended) The blood pump of claim 21, further comprising a motor disposed within the housing for driving the impeller, wherein the motor is a fully enclosed motor.

23. (Canceled)

24. (Previously presented) The blood pump of claim 21, wherein each of the first and second vascular connections is a member selected from the group consisting of suture ring and vascular prosthesis.

25. (Canceled)